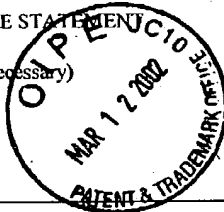


Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 109807		APPLICATION NO. 09/986,716	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				<div style="text-align: center;">  </div>			
				APPLICANTS Yuichiro OGAWA et al.			
				FILING DATE November 9, 2001		GROUP 1722 1732	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>SW</i>	1	09/327,613 (atty. docket # 103567)	06/08/1999	Iizaka et al.	—	—	
}	2	4,963,207	10/16/1990	Laurent	—	—	
	3	5,666,891	09/16/1997	Titus et al.	—	—	
<i>SW</i>	4	4,155,789	05/22/1979	Wireman et al.	—	—	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
<i>SW</i>	5	EP 0 264 600 A1	04/27/1988	Europe	—	—	
}	6	JP B2 7-94155	10/11/1995	Japan	—	—	
	7	JP A 8-21354	01/23/1996	Japan	—	—	
	8	EP 0 968 814 A2	01/05/2000	Europe	—	—	
	9	JP A 2000-79642	03/21/2000	Japan	—	—	
	10	EP 0 528 683 A1	02/24/1993	Europe	—	—	
}	11	JP A 61-37422 (w/abstract)	02/22/1986	Japan	—	—	
	12	DE 34 05 931 A1 (w/abstract)	08/22/1985	Germany	—	—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER <i>Stephen J. Zuck</i>					DATE CONSIDERED 2/23/04		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: March 12, 2002

Form PTO-1449
(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
109807APPLICATION NO.
09/986,716

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)
Yuichiro OGAWA et al.FILING DATE
November 9, 2001GROUP
~~1722~~ 1732

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>SW</i>	1	US 4,171,193	10/1979	Rahlf	—	—
<i>SW</i>	2	US 5,378,415	01/1995	Gohlisch et al.	—	—

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>SW</i>	3	EP 0 492 425 A	07/1992	Europe	—	—
	4	EP 0 508 080 A	10/1992	Europe	—	—
	5	EP 0 968 814 A	01/2000	Europe	—	—
	6	WO 90/14939 w/ Eng. abstract	12/1990	WIPO	—	—
	7	WO 89/03754	05/1989	WIPO	—	—
	8	EP 0 391 003 A	10/1990	Europe	—	—
<i>SW</i>	9	EP 1 084 814 A	03/2001	Europe	—	—

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<i>SW</i>	10	<u>Kautschuk Verarbeiten Mit Extruder + Zahnradpumpe</u> , 4020 Plastverarbeiter, pp. 44-45 (1993) Januar, No. 1, Speyer, DE

EXAMINER

DATE CONSIDERED

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Date: November 7, 2003